

Web Appendix

Political Violence, Interstate Rivalry, and the Diffusion of Public Health Crises. Published in *Social Science Quarterly*.

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1 Visualizations of African Violence Referenced in Footnote 8

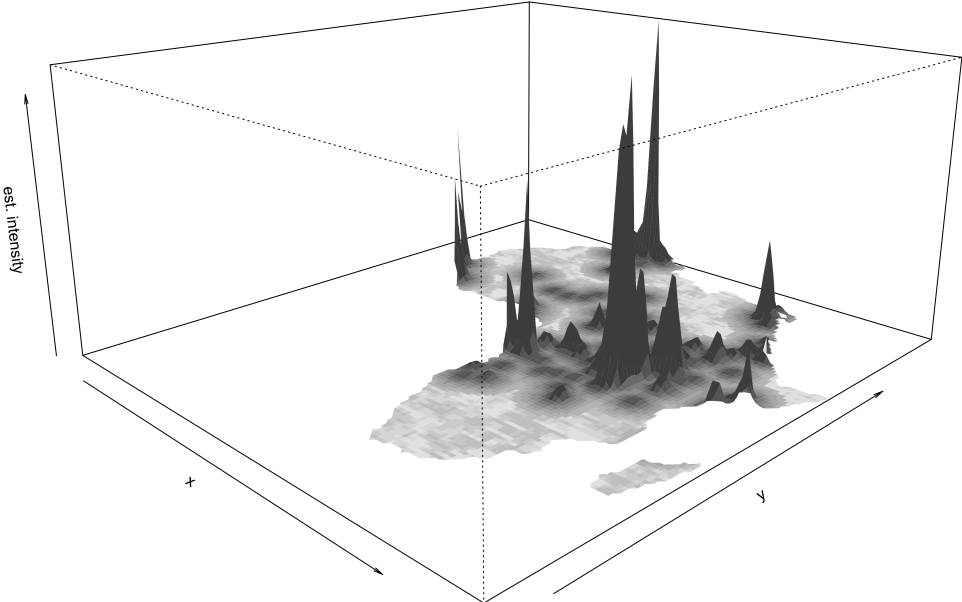


Figure 1: 1997

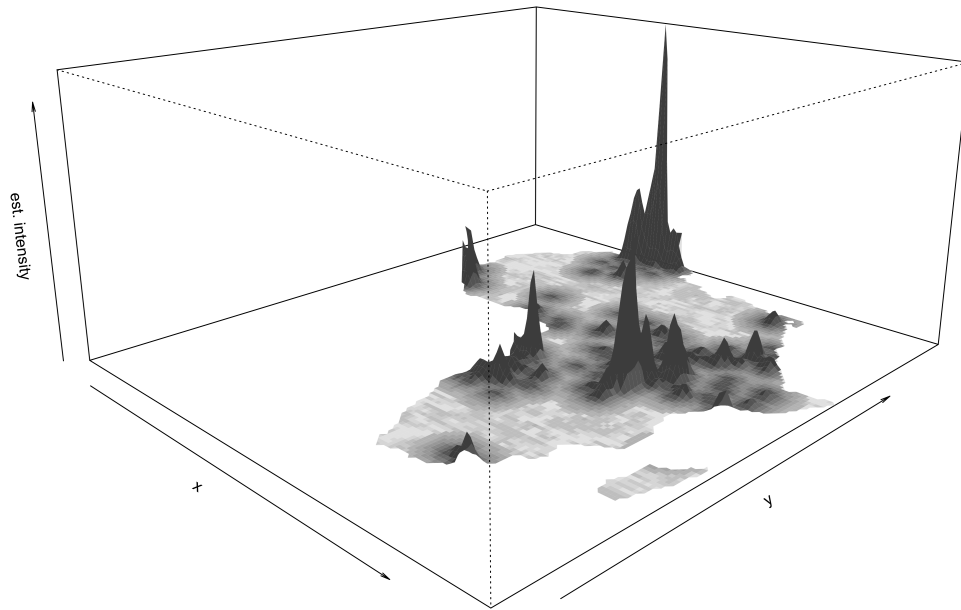


Figure 2: 1998

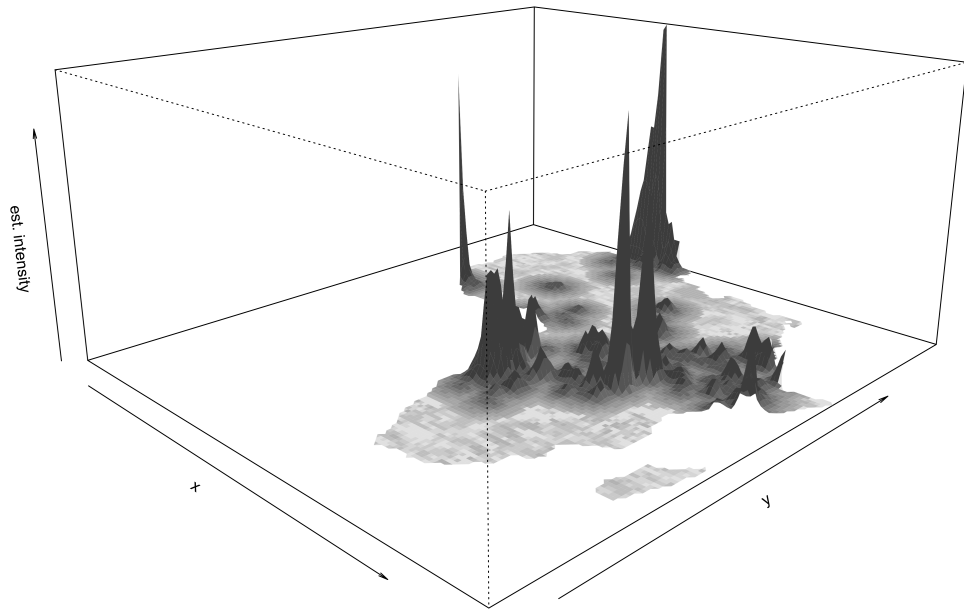


Figure 3: 1999

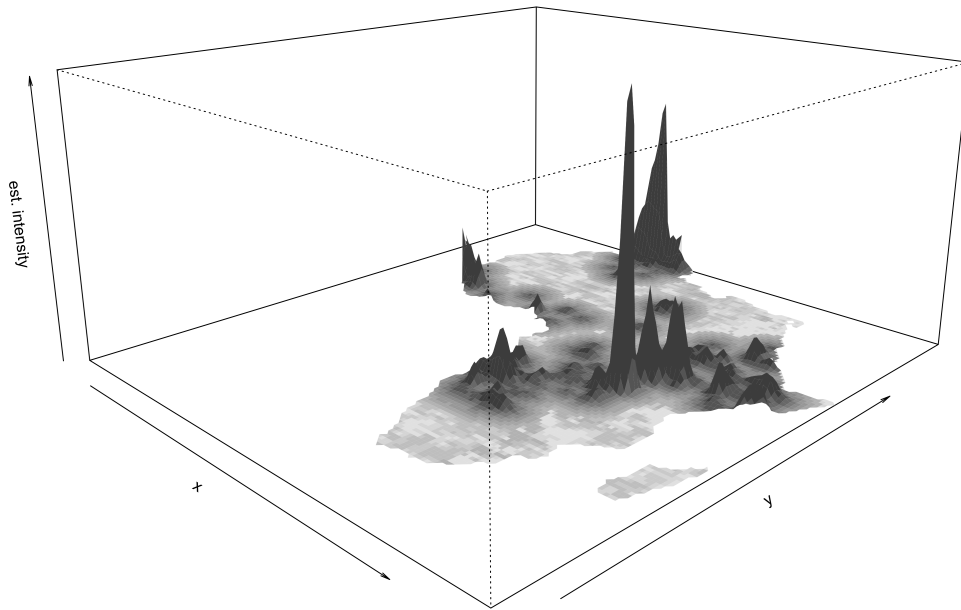


Figure 4: 2000

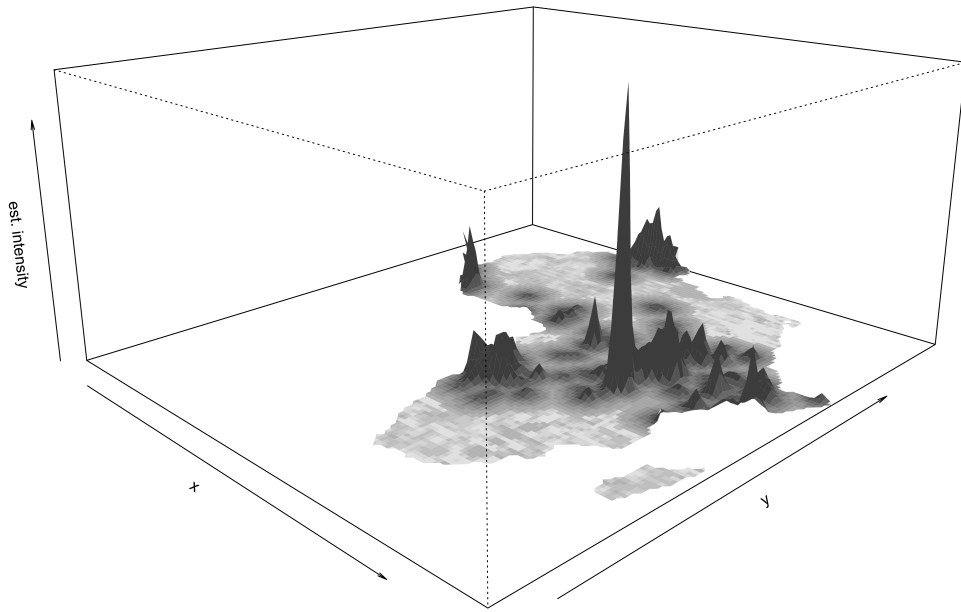


Figure 5: 2001

2 Model Selection Tests Referenced in Footnote 16 and 17

2.1 Fixed or Random Effects?

Table 1: Hausman Tests

Model	Chisq	df	p-value	model choice
1	435.1566	11	0.000	fixed-effects
2	145.7799	11	0.000	fixed-effects
3	432.284	9	0.000	fixed-effects

2.2 Time-Fixed Effects?

Table 2: F tests for individual effects

Model	F	df1	df2	p-value	time-fixed effects?
1	29.2222	5	750	0.000	yes
2	25.3932	5	750	0.000	yes
3	60.4704	5	2091	0.000	yes

3 Descriptive Statistics

Statistic	N	Mean	St. Dev.	Min	Max
DEPENDENT VARIABLE					
Infant Mortality Rate	7,028	93.211	34.006	22.000	207.760
CONFLICT INTENSITY MEASURES					
Intensity in Country A	7,028	0.372	0.310	0.000	2.299
Intensity in Country B	2,594	0.376	0.295	0.003	2.299
CONFLICT CATEGORICAL VARIABLES					
Conflict in Country A	7,028	2.498	1.118	1	4
Conflict in Country B	2,594	2.497	1.117	1	4
CONTROL VARIABLES					
Interstate Rivalry (dummy)	7,028	0.034	0.182	0	1
ln Total Refugee Inflows	6,941	7.069	5.309	0.000	14.360
Interstate Conflict (dummy)	7,028	0.025	0.157	0	1
Domestic Conflict (dummy)	7,028	0.749	0.433	0	1
ln GDP Per Capita	6,685	6.137	0.996	3.898	10.375
ln Total Population	7,028	8.877	1.366	4.727	11.685
Health Expenditures	3,591	4.887	2.119	0.000	17.506
GINI Coefficient	6,724	50.096	6.151	30.000	72.000
Women in Work Force	6,583	41.494	7.160	18.200	50.910

4 Statistical Models Referenced in Footnote 18

4.1 Proximate Political Violence and Military Expenditures

	<i>Dependent variable: ln Military Expenditures</i>	
	Time-Fixed Effects	No Time-Fixed Effects
	(1)	(2)
Low Violence in Neighbor ^(t-1)	0.005 (0.031)	-0.019 (0.032)
Moderate Violence in Neighbor ^(t-1)	0.114*** (0.035)	0.071** (0.036)
High Violence in Neighbor ^(t-1)	0.203*** (0.039)	0.156*** (0.039)
Domestic Political Violence ^(t-1)	-0.004 (0.031)	-0.029 (0.031)
Interstate Conflict ^(t-1)	0.061 (0.040)	0.111*** (0.042)
factor(year)1991	-0.035 (0.044)	
factor(year)1992	0.218*** (0.045)	
factor(year)1993	-0.132*** (0.044)	
factor(year)1994	-0.116*** (0.043)	
factor(year)1995	-0.109** (0.045)	
factor(year)1996	0.045 (0.043)	
factor(year)1997	0.131*** (0.042)	
factor(year)1998	0.247*** (0.042)	
factor(year)1999	0.209*** (0.043)	
factor(year)2000	0.016 (0.042)	
factor(year)2001	-0.061 (0.042)	
Observations	2,282	2,282
R ²	0.120	0.021
Adjusted R ²	0.108	0.019
F Statistic	17.511*** (df = 16; 2064)	8.989*** (df = 5; 2075)
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01	

4.2 Proximate Political Violence and Healthcare Expenditures

	<i>Dependent variable: Healthcare Expenditures</i>	
	Time-Fixed Effects	No Time-Fixed Effects
	(1)	(2)
Low Violence in Neighbor ^(t-1)	-0.047 (0.074)	-0.045 (0.073)
Moderate Violence in Neighbor ^(t-1)	-0.084 (0.081)	-0.064 (0.078)
High Violence in Neighbor ^(t-1)	-0.240** (0.099)	-0.217** (0.087)
GINI Coefficient ^(t-1)	-0.013* (0.007)	-0.019*** (0.007)
Women in Work Force ^(t-1)	0.011* (0.006)	0.016** (0.006)
ln Total Population ^(t-1)	-0.531 (0.605)	1.911*** (0.394)
factor(year)1996	-0.023 (0.082)	
factor(year)1997	0.052 (0.088)	
factor(year)1998	0.352*** (0.095)	
factor(year)1999	0.443*** (0.091)	
factor(year)2000	0.313*** (0.102)	
factor(year)2001	0.462*** (0.113)	
Observations	1,137	1,137
R ²	0.110	0.060
Adjusted R ²	0.092	0.050
F Statistic	9.797*** (df = 12; 952)	10.133*** (df = 6; 958)

Note: *p<0.1; **p<0.05; ***p<0.01

5 Replication Information

ccode1 COW country code for country A

ccode2 COW country code for country B

dyadid unique ID for each dyad

year year of observation

IMR infant mortality rate (under 1 years old)

out.intensity intensity of political violence in country B

out quantiles for *out.intensity*

out.dummy coded 1 if *out* is 2 or greater

in.intensity intensity of political violence in country A

in quantiles for *in.intensity*

in.dummy coded 1 if *in* is 2 or greater

rivalry coded 1 if country A and country B are rivals during year in question

logrfg natural log of total refugee inflows to country A

MID coded 1 if country A was involved in interstate conflict during year in question

loggdp natural log of GDP per capita for country A

logpop natural log of the total population for country A

health_exp percentage of GDP that country A spends on providing health care to its citizens

GINI GINI coefficient for country A

femlab percentage of women in the work force in country A

milex military expenditures for country A

rivXout interaction term (rivalry x out.intensity)

Note: Replication data can be found at www.brycereeder.info/research/